What is claimed is:

- 1. A method for creating a vector representation of a
 2 image, the method comprising the steps of:
- acquiring position information for two nodes of the
 image from user input;
- determining a curve sketching a segment of an outline of the image between the two nodes;
- acquiring position information of a new node on the image from additional user input;
- 9 determining another curve sketching another segment of 10 the outline of the image between the new node and
- 11 the node where the previous curve ends; and
- repeating the determination step until the outline of the image is completely sketched.
 - 1 2. The method as claimed in claim 1, wherein the 2 image is a bitmap image.
 - 3. The method as claimed in claim 1, wherein the curve sketching one segment of the outline of the image between two of the nodes acquired from user input is determined by the steps of:
 - determining a vector flow of the image between the two nodes by a tracing algorithm to extract a number of sample points;
 - 8 determining a function describing the sample points by 9 a curve-fitting algorithm; and
- adopting the function to one describing a cubic Bezier curve.

- 1 4. The method as claimed in claim 3, wherein the 2 curve-fitting algorithm is Simple Curve Fitting algorithm.
- 1 5. The method as claimed in claim 1 further
- 2 comprising smoothing joints of the curves sketching the
- 3 outline of the image.
- 6. An apparatus for creating a vector representation
- 2 of a image, the apparatus comprising:
- 3 means for acquiring position information for pairs of
- 4 nodes of the image from user input; and
- 5 means for determining a curve sketching a segment of an
- 6 outline of the image between each pair of nodes.
- 7. The apparatus as claimed in claim 6, wherein the
- 2 image is a bitmap image.
- 1 8. The apparatus as claimed in claim 6, wherein the
- 2 curve determining means comprises:
- 3 means for determining a vector flow of the image
- 4 between the two nodes by a tracing algorithm to
- 5 extract a number of sample points;
- 6 means for determining a function describing the sample
- 7 points by a curve-fitting algorithm; and
- 8 means for adopting the function to one describing a
- 9 cubic Bezier curve.
- 9. The apparatus as claimed in claim 8, wherein the
- 2 curve-fitting algorithm is Simple Curve Fitting algorithm.

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10. The apparatus as claimed in claim 6 further comprising means for smoothing joints of the curves sketching the outline of the image.